NITRATE ELECTRODE METHOD
SM 18th and 19th 4500-NO_3^- D **Page 1 of 1**

Facility Name:_____VELAP ID_____

Assessor Name:_____Analyst Name:_____Inspection Date_____

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Records Examined: SOP Number/ Revision/ Date _____ Analyst:_____ Sample ID: _____ Date of Sample Preparation:_____ Date of Analysis:_____					
Were unpreserved samples stored as follows? *Nonpotable: ≤ 6°C up to 48 hours* *Drinking water: 4°C up to 48 hours unless chlorinated, which can be held up to 14 days*	40CFR 136.3, 40CFR 141.23				
Were samples held longer than 24 hours preserved with H_2SO_4, stored at ≤6°C, and analyzed within 28 days?	40CFR 136.3, 40CFR 141.23				
When NO_3^- and NO_2^- where determined as separate species, were samples never acidified?	4500-NO_3 A 2 Introduction				
Did buffer solution contain Ag_2SO_4, sulfamic acid, $Al_2(SO_4)_3$, and a buffer at pH 3?	4500-NO_3 D 1 b				
Was the pH meter capable of 0.1 mV resolution?	4500-NO_3 D 2 a				
Was the outer chamber of the reference electrode filled with $(NH_4)_2SO_4$?	4500-NO_3 D 2 b				
Were the manufacturer's instructions followed for the care and storage of the nitrate ion electrode?	4500-NO_3 D 2 c				
Were electrode tips allowed to stabilize in samples and solutions about 1 minute prior to the recording of millivolt readings?	4500-NO_3 D 4 a/b				
Were electrode tips rinsed and blotted dry between samples?	4500-NO_3 D 4 a				
Were calibration curves made by semilogarithmic plots with concentration on the logarithmic axis and millivolt responses on the linear axis?	4500-NO_3 D 4 a				
Were calibration slopes +57 ± 3 mV/decade?	4500-NO_3 D 4 a				
Notes/Comments:					